L Number		Search Text	DB	Time stamp
1	319	385/39,37,1,3.ccls. and @pd > 20030701	USPAT;	2003/11/24 17:24
			US-PGPUB;	
			EPO; JPO	
2	109	385/39,37,1,3.ccls. and @pd > 20030701 and (array\$4	USPAT;	2003/11/24 17:24
		with (waveguid\$4 grat\$4))	US-PGPUB;	
	! 		EPO; JPO	
•	1139	"array waveguide"	USPAT;	2003/03/07 12:56
		array wavegalac	US-PGPUB;	2003/03/07 12:30
			EPO; JPO;	į
			DERWENT;	
	_		IBM_TDB	0000/05/17 14 00
-	0	"array waveguide" and "length tuner"	USPAT;	2002/05/17 14:00
			us-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	30	"length tuner"	USPAT;	2002/05/17 14:02
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB]
-	0	"length tuner" and "refractive index"	USPĀT;	2002/05/17 14:01
	_	Tongen und vendenve maek	US-PGPUB;	2002/03/17 1 1:01
			EPO; JPO;	
			DERWENT;	
	4	 !!	IBM_TDB	2002/05/17 14 01
-	4	"length tuner" and waveguide	USPAT;	2002/05/17 14:01
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	643	length with (tuner or tuning) and waveguide	USPAT;	2002/05/17 14:03
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	186	(length with (tuner or tuning)) and waveguide and "refractive	USPAT;	2002/05/17 14:04
	, 55	index"	US-PGPUB;	2002/03/17 11:01
			EPO; JPO;	
l			DERWENT;	
_	1	"array wayequide" and tuner	IBM_TDB	2002/05/17 14 04
- 	1	"array waveguide" and tuner	USPAT;	2002/05/17 14:04
	İ		US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
:			IBM_TDB	
•	5	(length with (tuner or tuning)) and "array waveguide" and	USPAT;	2002/05/17 14:59
		"refractive index"	us-PGPub;	
			EPO; JPO;	
!			DERWENT;	
i			IBM TDB	
-	16	"5290663"	USPAT;	2002/05/17 14:59
			US-PGPUB;	
ļ			EPO; JPO;	
[ļ]
			DERWENT;	I
	, , ,	duamana and fireins	IBM_TDB	0000/07/17 17 17
•	128	dragone and lucent	USPAT;	2002/05/17 15:00
			US-PGPUB;	
- 1			EPO; JPO;	I
				•
			DERWENT; IBM_TDB	i I

Search History 11/24/03 5:31:04 PM Page 1

-	37	dragone.in. and lucent	USPAT;	2002/05/17 15:00
ļ			US-PGPUB;	ļ
į			EPO; JPO;	!
			DERWENT;	
	İ		IBM TDB	
	37	dragone.in. and lucent.as.	USPĀT;	2002/05/17 17:03
-	3/	dragone.in. and lucent.as.		2002/03/17 17:03
			us-PGPUB;	
			EPO; JPO;	
	İ		DERWENT;	! !
			IBM TDB	
-	2	5920663.URPN.	USPAT	2002/05/17 15:10
	7	("4885734" "4991937" "4998793" "5029988"	USPAT	2002/05/17 16:11
-	,		usi Ai	2002/03/17 10:11
	_	"5031993" "5625723" "5629991").PN.	LICDAT	0000 (05 (17 1 (44
-	3	5675592.URPN.	USPAT	2002/05/17 16:44
-	593	385/39.ccls.	USPAT;	2002/05/20 18:32
			US-PGPUB;	
			EPO; JPO;	
ĺ			DERWENT;	
1			IBM TDB	
;		"00 50 42"		2002/05/20 12 50
i	4	"985942"	USPAT;	2002/05/20 12:58
İ		:	us-PGPub;	
			EPO; JPO;	
	!		DERWENT;	
			IBM TDB	
	1	2000-258652.NRAN.	DERWENT	2002/05/20 12:59
-	ပ်	"NTT- INC."	USPAT;	2002/05/20 17:45
•	ļ	NTT-INC.		2002/03/2017.43
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
i -	460	kaneko.in. and inoue.in.	USPAT;	2002/05/20 17:46
į			US-PGPUB;	
İ			EPO; JPO;	
i			DERWENT;	į
İ	_		IBM_TDB	·
-	0	kaneko.in. and inoue.in. and takahashi.in	USPAT;	2002/05/20 17:46
			US-PGPUB;	F
			EPO; JPO;	
			DERWENT;	
	:		IBM TDB	
1 <u>.</u> i	19	kaneko.in. and inoue.in. and takahashi.in.	USPAT;	2002/05/20 17:58
] -	19	Ranero.ni. and mode.ni. and takanasin.ni.	1	2002/03/20 17:36
1			US-PGPUB;	İ
			EPO; JPO;	
			DERWENT;	Į.
			IBM_TDB	İ
-	5	kaneko.in. and inoue.in. and sugita.in.	USPĀT;	2002/05/20 17:59
			US-PGPUB;	•
			EPO; JPO;	
ļ	l i			1
			DERWENT;	
			IBM_TDB	
-	1521	385/10,37.ccls. not 385/39.ccls.	USPAT;	2002/05/21 18:13
			US-PGPUB;	
			EPO; JPO;	
		i ;	DERWENT;	
	ĺ		IBM TDB	
	305	705/10 asla		2002/05/22 14:40
-	205	385/10.ccls.	USPAT;	2002/05/22 14:49
			US-PGPUB;	
			EPO; JPO;	İ
!			DERWENT;	
t i	; 	: 	IBM_TDB	
·	١ ا	·		

	5 "5675592"	USPAT;	
		US-PGPUB;	2002/05/22 13:52
		EPO; JPO;	1
		DERWENT;	
		IBM TDB	
- B	"9503945"	USPAT;	2002/05/22 14:04
	7303713	US-PGPUB;	2002/03/22 1 1.0 T
		EPO; JPO;	
		DERWENT;	
		IBM TDB	! !
- 10	9504031"	USPAT;	2002/05/22 13:53
		US-PGPUB;	
		EPO; JPO;	
1		DERWENT;	İ
1		IBM TDB	
2643	g02b006/34.ipc.	USPAT;	2002/05/22 14:05
		US-PGPUB;	
		EPO; JPO;	
		DERWENT;	
		IBM TDB	
-	gO2bO06/34.ipc. and "O3945"	USPĀT;	2002/05/22 14:06
:		US-PGPUB;	
1		EPO; JPO;	
İ		DERWENT;	
		IBM TDB]
- 1	gO2bO06/34.ipc. and "O4O31"	USPĀT;	2002/05/22 14:07
		US-PGPUB;	
		EPO; JPO;	
		DERWENT;	
		IBM_TDB	
- 24	gO2bO06/34.ipc. and france	USPAT;	2002/05/22 14:13
		US-PGPUB;	
		EPO; JPO;	
i		DERWENT;	
i		IBM_TDB	
- 1		DERWENT	2002/05/22 14:11
-	* * * * = * * * * * * * * * * * * * *	DERWENT	2002/05/22 14:12
- 4	"6094513"	USPAT;	2002/05/22 14:19
		us-PGPUB;	
		EPO; JPO;	
		DERWENT;	
		IBM_TDB	
-	FR-95/04031	USPAT;	2002/05/22 14:19
		US-PGPUB;	
		EPO; JPO;	
ĺ		DERWENT;	
	KEIL BLIDOLE :	IBM_TDB	2002/05/22 14:52
- 21	KEIL-RUDOLF.in.	USPAT; US-PGPUB;	2002/05/22 14:52
		EPO; JPO;	
		DERWENT;	1
- 1537	KEIL.in.	IBM_TDB USPAT;	2002/05/22 14:52
153/	IXCIL.III.	US-PGPUB;	2002/03/22 14:32
		EPO; JPO;	
		DERWENT;	
		IBM TDB	
- 31	"KEIL, Rudolf".in.	USPAT;	2002/05/22 15:00
	Note, Rudoll .III.	US-PGPUB;	2002/03/22 13.00
		EPO; JPO;	
		DERWENT;	
		IBM TDB	!
Coarch Distant 11/24/	U D3 5:31:04 PM Page 3	J	<u></u>

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	,	0.000000	7: 1 7:56 325	1.0000705705701570
-	 	wo9522070	USPAT; US-PGPUB;	2002/05/22 15:01
			EPO; JPO;	
			DERWENT;	į
			1	
	1.7	"5467418"	IBM_TDB USPAT;	2002/05/22 14.70
-	17	370/710	1	2002/05/22 16:39
			US-PGPUB;	
			EPO; JPO;	
i			DERWENT;	
	13	"4846542"	IBM_TDB	2002/05/28 00 57
•	13	4040342	USPAT;	2002/05/28 09:53
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		 	EPO; JPO;	
			DERWENT;	
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•	2	, ,	USPAT	2002/05/28 10:57
-	0	6304687.URPN.	USPAT	2002/05/28 11:05
- ;	0	6304687.URPN.	USPAT	2002/05/28 11:05
-	2	, , , , , , , , , , , , , , , , , , , ,	USPAT	2002/05/28 13:15
-	0	6304687.URPN.	USPAT	2002/05/28 13:30
-	2	("5123070" "5546483").PN.	USPAT	2002/05/28 13:30
-	7	"0565308"	USPAT;	2002/05/28 14:08
			US-PGPUB;	÷
			EPO; JPO;	
!			DERWENT;	
			IBM_TDB	_
j -	10	"565308"	USPAT;	2002/05/28 14:11
			US-PGPUB;	[
			EPO; JPO;	i
			DERWENT;	
			IBM_TDB	ļ
ļ -	17	"5212758"	USPAT;	2002/05/29 10:26
			US-PGPUB;	
j !			EPO; JPO;	
j			DERWENT;	
			IBM_TDB	
-		20010022878.URPN.	USPAT	2002/05/28 14:46
i -	380	385/3.ccls.	USPAT;	2002/05/29 10:27
į į			US-PGPUB;	
			EPO; JPO	
-	362	385/1.ccls.	USPAT;	2002/05/29 10:27
			US-PGPUB;	
			EPO; JPO	
ļ-	631	385/1,3.ccls. and (elect\$7 or therm\$7 or temperature or	USPAT;	2002/05/29 10:32
:		peltier or heat\$4 or tuner or tuning)	US-PGPUB;	j
			EPO; JPO	
-	700	385/1,3.ccls.	USPAT;	2002/05/29 10:32
			US-PGPUB;	
			EPO; JPO	
-	294	385/1,3.ccls. and (thermo-optic\$3 or electro-optic\$3 or	USPAT;	2002/05/29 11:57
ļ		tuner or tuning) and (waveguide near\$5 (array or grating))	US-PGPUB;	
	j		EPO; JPO	
-	55	385/1,3.ccls. and (thermo-optic\$3 or electro-optic\$3 or	USPAT;	2002/05/29 11:58
		tuner or tuning) and (waveguide with (array or grating))	US-PGPUB;	
		· · · · · · · · · · · · · · · · · · ·	EPO; JPO	
-	55	(ridge near waveguide) same (modulat\$4 with (electr\$5	USPAT;	2003/03/06 17:26
1 !		thermal\$4))	US-PGPUB;	
			EPO; JPO	
· I.			1	I

r:				
-	28		USPAT;	2003/03/06 17:37
		US-6298177-\$ or US-6233070-\$ or US-6091864-\$ or	US-PGPUB;	
! 	İ	US-5559906-\$ or US-4798437-\$ or US-5949542-\$ or	DERWENT	
		US-5920663-\$ or US-6118909-\$ or US-5881079-\$ or		
		US-6332055-\$ or US-6353694-\$ or US-6246814-\$ or		
		US-6212315-\$ or US-6175671-\$ or US-5978532-\$ or		
ļ	ļ	i ·	1	:
;		US-5396506-\$ or US-5329601-\$ or US-5991067-\$ or		
		US-5422904-\$ or US-4997246-\$).did. or		
		(US-20010033715-\$ or US-20020048433-\$ or		
		US-20010022878-\$ or US-20010024537-\$).did. or		
į		(US-5926586-\$).did.		
İ_		((US-6304687-\$ or US-6385354-\$ or US-6278822-\$ or	LICDAT.	2007/07/00 17 20
-	3	\(\(\text{CO-O3OTOO}\)-\$ OF \(\text{CO-C3OTO}\) + \(\text{CO-O2OTO}\)	USPAT;	2003/03/09 17:29
		US-6298177-\$ or US-6233070-\$ or US-6091864-\$ or	US-PGPUB;	
		US-5559906-\$ or US-4798437-\$ or US-5949542-\$ or	EPO; JPO	
· ·	ĺ	US-5920663-\$ or US-6118909-\$ or US-5881079-\$ or		
		US-6332055-\$ or US-6353694-\$ or US-6246814-\$ or		
		US-6212315-\$ or US-6175671-\$ or US-5978532-\$ or		
•	i	US-5396506-\$ or US-5329601-\$ or US-5991067-\$ or		!
1		US-5422904-\$ or US-4997246-\$).did. or		1
		(US-20010033715-\$ or US-20020048433-\$ or		
		US-20010022878-\$ or US-20010024537-\$).did. or		
		(US-5926586-\$).did.) and ((thermal\$4 temperature		
:		heat\$4 cool\$4) with modulat\$4)		
i _	1.1	("20020064358" "20010053260" "6381380"	LICDAT	2007/07/04 17 42
	''		USPAT;	2003/03/06 17:42
		"6400490" "4939743" "3821662" "6370307"	us-PGPUB;	
		"6212323" "5577138" "6137939" "4152044").pn.	EPO; JPO	
-	1	"6400490" and indium	USPAT;	2003/03/06 17:45
			US-PGPUB;	
		!	EPO; JPO	
1.	2	//"200200447E9" "200100E7240" "4791790"	LICO, JI O	2007/07/0/ 17 50
-	- 4		USPAT;	2003/03/06 17:50
		"6400490" "4939743" "3821662" "6370307"	US-PGPUB;	
		"6212323" "5577138" "6137939" "4152044").pn.)	EPO; JPO	
		and ((thermal\$4 temperature heat\$4 cool\$4) with		
İ		modulat\$4)		
	i 6	"845685"	USPAT;	2003/03/06 17:50
			US-PGPUB;	2003/03/08 17:30
!				
i	100	705/77	EPO; JPO	
-	198	385/37.ccls. and 385/1-10.ccls.	USPAT;	2003/03/07 12:07
			US-PGPUB;	
i			EPO; JPO	
-	61	"array waveguide" and 385/1-5,8-10.ccls.	USPAT;	2003/03/07 12:57
		,	US-PGPUB;	=300,00,0,12.57
1		! ;	EPO; JPO;	·
1	1		DERWENT;	
1	İ		IBM_TDB	
-	6	"845685"	USPAT;	2003/03/10 08:39
!] ;	US-PGPUB;	
			EPO; JPO	Į į
1_	8	"6137939"		2007/07/00 15:10
1	•	0131737	USPAT;	2003/03/09 15:18
			US-PGPUB;	
1			EPO; JPO	
-	143	359/288.ccls.	USPAT;	2003/03/09 17:30
			US-PGPUB;	
			EPO; JPO	
1_	5	"849615"	,	2007/07/10 00 70
-	· 3	בוטקדט	USPAT;	2003/03/10 08:39
]]		US-PGPUB;	į
!			EPO; JPO	
-	259	385/1-11.ccls. and 385/37.ccls.	USPAT;	2003/06/06 14:57
			US-PGPUB;	
i .	1 :			;
			EPO; JPO	!

		(385/1-11.ccls. and 385/37.ccls.) and \$array\$	USPAT;	2003/06/06 15:06
:			US-PGPUB; EPO; JPO	
	73	(385/1-11.ccls. and 385/37.ccls.) and \$array\$ with \$grating\$	USPAT; US-PGPUB; EPO; JPO	2003/06/06 15:14
-	97	385/39.ccls. and (\$array\$ with \$grating)	USPAT; US-PGPUB; EPO; JPO	2003/06/06 15:16
-	147	385/39.ccls. and ((\$array\$ with waveguide\$) array-waveguid\$9 arraywaveguid\$3)	USPAT; US-PGPUB; EPO; JPO	2003/06/06 15:18
-	165	(385/39.ccls. and (\$array\$ with \$grating)) (385/39.ccls. and ((\$array\$ with waveguide\$) array-waveguid\$9 arraywaveguid\$3))	USPAT; US-PGPUB; EPO; JPO	2003/06/06 15:18
	47	(US-5949542-\$ or US-5239598-\$ or US-6118909-\$ or US-5920663-\$ or US-5881079-\$ or US-6353694-\$ or US-6332055-\$ or US-6246814-\$ or US-6212323-\$ or US-6212315-\$ or US-6181848-\$ or US-6175671-\$ or US-6094513-\$ or US-5978532-\$ or US-5519796-\$ or US-5396506-\$ or US-5329601-\$ or US-6304687-\$ or US-6385354-\$ or US-6385353-\$ or US-6298177-\$ or US-6278822-\$ or US-6233070-\$ or US-6091864-\$ or US-5559906-\$ or US-4798437-\$).did. or (US-5459799-\$ or US-5991067-\$ or US-5422904-\$ or US-4997246-\$ or US-6438277-\$ or US-6449084-\$ or US-6466707-\$ or US-5608568-\$).did. or (US-20010033715-\$ or US-20020048433-\$ or US-20010024537-\$ or US-20020172455-\$ or US-20020159698-\$ or US-20020172455-\$ or US-20020176666-\$ or US-20020172463-\$ or US-20020159700-\$ or US-20020114556-\$).did. or (US-5926586-\$).did.	USPAT; US-PGPUB; DERWENT	2003/06/09 13:30
		((US-5949542-\$ or US-5239598-\$ or US-6118909-\$ or US-5920663-\$ or US-5881079-\$ or US-6353694-\$ or US-6332055-\$ or US-6246814-\$ or US-6212323-\$ or US-6212315-\$ or US-6181848-\$ or US-6175671-\$ or US-6094513-\$ or US-5978532-\$ or US-5519796-\$ or US-5396506-\$ or US-5329601-\$ or US-6304687-\$ or US-6385354-\$ or US-6385353-\$ or US-6298177-\$ or US-6278822-\$ or US-623070-\$ or US-6091864-\$ or US-5559906-\$ or US-4798437-\$).did. or (US-5459799-\$ or US-5991067-\$ or US-6449084-\$ or US-4997246-\$ or US-6438277-\$ or US-6449084-\$ or US-6466707-\$ or US-608568-\$).did. or (US-20010033715-\$ or US-20020048433-\$ or US-20010024537-\$ or US-20020048433-\$ or US-20010024537-\$ or US-20020172455-\$ or US-20020176666-\$ or US-20020172463-\$ or US-20020176666-\$ or US-20020172463-\$ or US-20020159700-\$ or US-20020114556-\$).did. or	USPAT; US-PGPUB; EPO; JPO	2003/06/09 16:18
-		(US-5926586-\$).did.) and resist\$ 6167168.pn.	USPAT; US-PGPUB;	2003/06/09 16:19
-		6167168.URPN. ("4685766" "5195163" "5515460" "5559906" "5805751").PN.	EPO; JPO USPAT USPAT	2003/06/09 16:19 2003/06/09 16:19
-				

[["20020061168" "20020181870" "5846849"	USPAT;	2003/07/17 15:17
		"4087315" "20020126976").pn.	US-PGPUB;	
1			EPO; JPO	
-	7	"845645"	USPAT;	2003/07/23 15:24
			US-PGPUB;	
			EPO; JPO	
-	1022	385/37,39,1,3.ccls. and @pd>20020501	USPAT;	2003/07/23 15:26
:			US-PGPUB;	
į			EPO; JPO	
-	176		USPAT;	2003/07/23 15:39
	!	near3 (grating waveguide))	US-PGPUB;	
	İ		EPO; JPO	
•	180	385/37,39,1,3.ccls. and @pd > 20020501 and (arrayed	USPAT;	2003/07/23 15:40
		near3 (grating waveguide))	US-PGPUB;	1
		. <u></u>	EPO; JPO	
-	89	, (USPAT;	2003/07/23 15:43
		near3 (grating waveguide))) not (385/37,39,1,3.ccls. and	US-PGPUB;	
	_	@pd > 20020501 and (array near3 (grating waveguide)))	EPO; JPO	
-	7	"632906"	USPAT;	2003/07/23 15:43
	į		US-PGPUB;	
			EPO; JPO	
-	1	5515460.pn.	USPAT;	2003/07/24 12:08
:			US-PGPUB;	
j			EPO; JPO	
-	8	5515460.URPN.	USPAT	2003/07/24 12:10
-	7	("5002350" "5351317" "5367586" "5412744"	USPAT	2003/07/24 12:10
		"5515460" "5745612" "5862279").PN.		